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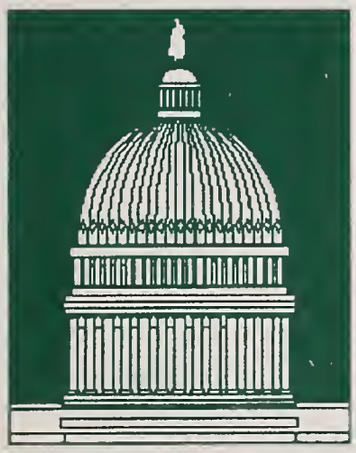

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003040 Transaction Set 822 Customer Account Analysis

Implementation Convention

U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of
Standards and Technology

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Electronic Commerce Acquisition Program Management Office
Standard Management Committee - Secretariat
National Institute of Standards and Technology
Gaithersburg, MD 20899-0001

Editor: Dr. Jean-Philippe Favreau

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U.S. DEPARTMENT OF COMMERCE
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Technology Administration
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Reports on Information Technology

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

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822 Customer Account Analysis

Functional Group ID=AA

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Customer Account Analysis Transaction Set (822) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit detailed balance, service charge and adjustment detail primarily from a bank to its corporate clients. However, this transaction set can also be used between or within corporations.

Notes:

Currency used throughout transaction set = US Dollars. All dollar entries shall be the correct amount, no commas used.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BGN	Beginning Segment	M	1		
Must Use	030	DTM	Date/Time/Period	M	3		n1
Must Use	040	N1	Name	M	1		n2
N/U	050	N2	Additional Name Information	O	2		
N/U	060	N3	Address Information	O	2		
N/U	070	N4	Geographic Location	O	1		
N/U	090	PER	Administrative Communications Contact	O	3		
			LOOP ID - RTE			13	
N/U	100	RTE	Rate Details	O	1		
N/U	105	DTM	Date/Time/Period	O	1		
N/U	110	CUR	Currency	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - N1			500	
Must Use	010	N1	Name	M	1		n3
	020	N2	Additional Name Information	O	2		
N/U	030	N3	Address Information	O	2		
N/U	040	N4	Geographic Location	O	1		
N/U	060	PER	Administrative Communications Contact	O	3		
N/U	080	CUR	Currency	O	1		
			LOOP ID - ACT			5000	
	100	ACT	Account Identification	O	1		
	105	ADJ	Adjustments to balances or services.	O	1000		
			LOOP ID - RTE			13	
	106	RTE	Rate Details	O	1		
	107	DTM	Date/Time/Period	O	1		
			LOOP ID - BAL			100	
	110	BAL	Balance Detail	O	1		

	120	AMT	Monetary Amount	O	25	
N/U	130	DTM	Date/Time/Period	O	5	
			LOOP ID - SER			1000
	140	SER	Service Charges	O	1	
N/U	145	CTP	Pricing Information	O	99	
N/U	150	DTM	Date/Time/Period	O	5	

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n4
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. At least one DTM segment, for the period-ending date, must be used. Others are period-starting date and statement-issued date.
2. This N1 identifies the financial institution transmitting the account analysis.
3. This N1 is the receiver of the financial statement.
4. Number of line items (CTT01) is a count of the ACT segments.

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 822 X12.25 Customer Account Analysis	**M ID 3/3**
Must Use	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set *Transaction Set Control Number is assigned by the Originator. It must be same value as Group Control Number at SE02.*	**M AN 4/9**

Segment: **BGN** **Beginning Segment**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes: **1** If BGN05 is present, then BGN04 is required.
Semantic Notes: **1** BGN02 is the transaction set reference number.
2 BGN03 is the transaction set date.
3 BGN04 is the transaction set time.
4 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.
Comments: **1** BGN05 is the transaction set time qualifier.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BGN01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set *All original 822s must be "00". All replacement 822s must be "05".* 00 Original 05 Replace	**M ID 2/2**
Must Use	**BGN02**	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	**M AN 1/30**
Must Use	**BGN03**	**373**	**Date** Date (YYMMDD) *Date transaction set created.*	**M DT 6/6**
	BGN06	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. *USE for replacement 822 messages (BGN01 = 05).* *DO NOT USE for original 822 message (BGN01 = 00).*	**O AN 1/30**

Segment: **DTM** **Date/Time/Period**
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 3
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time *Either 150 or 151 can be used by themselves or both can be used at the same time.* 150 Service Period Start 151 Service Period End	**M ID 3/3**
	DTM02	**373**	**Date** Date (YYMMDD) *Last calendar day of statement month; date applies to all statements.*	**X DT 6/6**

Segment: **N1** **Name**
Position: 040
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual BK Bank	**M**	**ID 2/2**
	N102	**93**	**Name** Free-form name *Depository Name (822 Originator).*	**X**	**AN 1/35**
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) *FRRC = Routing Transit Number (RTN).* 13 Federal Reserve Routing Code (FRRC)	**X**	**ID 1/2**
	N104	**67**	**Identification Code** Code identifying a party or other code *Depository RTN including check digit (9 characters).*	**X**	**AN 2/17**

Segment: **N1** **Name**
Position: 010
Loop: N1
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual AO Account Of	**M ID 2/2**
	N102	**93**	**Name** Free-form name	**X AN 1/35**

Segment: **N2** **Additional Name Information**
Position: 020
Loop: N1
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N201	93	**Name** Free-form name	M	AN 1/35
	N202	93	**Name** Free-form name	O	AN 1/35

Segment: **ACT** **Account Identification**
Position: 100
Loop: ACT
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify account information
Syntax Notes:
1 If either ACT03 or ACT04 is present, then the other is required.
2 If ACT05 is present, then ACT06 is required.
3 If ACT07 is present, then ACT05 is required.
Semantic Notes:
1 ACT02 is the name of the account in ACT01.
2 ACT07 is the name associated with the account identified in ACT06.
Comments:
1 ACT06 is an account associated with the account in ACT01.
2 ACT08 indicates if the data for the account in ACT01 is used for billing or information purposes.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**ACT01**	**508**	**Account Number** Account number assigned *Individual Federal Agency Demand Deposit Account (DDA) number.*	**M**	**AN 1/35**
	ACT02	**93**	**Name** Free-form name *Use standard Federal Agency Name and Program Name.*	**O**	**AN 1/35**
	ACT03	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) *FRRC = Routing Transit Number (RTN).* 13 Federal Reserve Routing Code (FRRC)	**X**	**ID 1/2**
	ACT04	**67**	**Identification Code** Code identifying a party or other code *RTN including check digit (9 characters).*	**X**	**AN 2/17**
	ACT08	**107**	**Payment Method Code** Code identifying type of payment procedures I Invoiced Separately	**O**	**ID 1/1**

Segment: **ADJ** **Adjustments to balances or services.**
Position: 105
Loop: ACT
Level: Detail
Usage: Optional
Max Use: 1000
Purpose: To identify adjustments to account balances or service charges on the account
Syntax Notes:
1 If either ADJ08 or ADJ09 is present, then the other is required.
2 If ADJ13 is present, then ADJ09 is required.
3 If ADJ14 is present, then ADJ09 is required.
4 If ADJ15 is present, then ADJ09 is required.
5 If either ADJ16 or ADJ17 is present, then the other is required.
Semantic Notes:
1 ADJ02 is the adjustment amount.
2 ADJ03 is the adjustment to the average collected balance.
3 ADJ04 is the date of the original financial transaction.
4 ADJ05 is the date the adjustment was processed.
5 ADJ10 is the price change.
6 ADJ11 is the old price.
7 ADJ12 is the new price.
8 ADJ13 is the volume charge.
9 ADJ14 is the old volume.
10 ADJ15 is the new volume.
11 ADJ16 is the subservice identifier.
12 ADJ17 is the actual subservice number.
Comments:
1 ADJ06 is recommended for float and ledger balance adjustments.
2 ADJ08 and ADJ09 are needed to identify the product or service to which the adjustment applies.
Notes: *Adjustments may be made for service price and volume.*
Use "" for ADJ10-ADJ12 for volume adjustments.*
Use "" for ADJ13-ADJ15 for service price adjustments.*
However, entries in both segment sets may be valid.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**ADJ01**	**952**	**Adjustment Application Code** Code for area to which adjustment applies F Float L Ledger S Service Charge	**M ID 1/2**
Must Use	**ADJ02**	**782**	**Monetary Amount** Monetary amount *Service Adjustment amount in $$.cc.*	**M R 1/15**
Must Use	**ADJ03**	**782**	**Monetary Amount** Monetary amount	**M R 1/15**
Must Use	**ADJ04**	**373**	**Date** Date (YYMMDD) *Date of original transaction.*	**M DT 6/6**
Must Use	**ADJ05**	**373**	**Date** Date (YYMMDD) *Date adjustment was processed.*	**M DT 6/6**
	ADJ07	**352**	**Description** A free-form description to clarify the related data elements and their content *Free form description clarifying adjustment action.*	**O AN 1/80**
	ADJ08	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X ID 2/2**

Refer to 003040 Data Element Dictionary for acceptable code values.

ADJ09	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/30**
ADJ10	**610**	**Amount** Monetary amount *Dollar amount of service adjustment. Absolute dollars; no negative numbers.*	**O**	**N2 1/15**
ADJ11	**610**	**Amount** Monetary amount *The per item service charge which is being adjusted. The prior statement per item price of service in $$.cc format.*	**O**	**N2 1/15**
ADJ12	**610**	**Amount** Monetary amount *The current Lockbox Depositary Agreement (LDA) price per service in $$.cc format.*	**O**	**N2 1/15**
ADJ13	**380**	**Quantity** Numeric value of quantity *The true value of volume which is being adjusted. Absolute numbers; no negative values.*	**O**	**R 1/15**
ADJ14	**380**	**Quantity** Numeric value of quantity *The reported value of volume for which the adjustment is applicable.*	**O**	**R 1/15**
ADJ15	**380**	**Quantity** Numeric value of quantity *The correct value of volume applicable to the service adjustment.*	**O**	**R 1/15**
ADJ16	**128**	**Reference Number Qualifier** Code qualifying the Reference Number. LB Lockbox	**X**	**ID 2/2**
ADJ17	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. *Agency lockbox number affected by the adjustment.*	**X**	**AN 1/30**

Segment: **RTE** **Rate Details**
Position: 106
Loop: RTE
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the earnings, rates and multipliers for this account
Syntax Notes:
Semantic Notes:
1 RTE03 is the analysis month net collected amount per $1.00 service charge, net of reserves.
2 RTE04 is the number of days in the analysis month used in the application of the rate information.
3 RTE05 is the number of days in the analysis year used in the application of the rate information.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**RTE01**	**1387**	**Rate Qualifier** Code indicating the type of interest rate Refer to 003040 Data Element Dictionary for acceptable code values.	**M ID 1/2**
Must Use	**RTE02**	**953**	**Interest Rate** The interest rate as a percentage	**M R 1/6**

Segment: **DTM** **Date/Time/Period**
Position: 107
Loop: RTE
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.	**M**	**ID 3/3**
	DTM02	**373**	**Date** Date (YYMMDD)	**X**	**DT 6/6**

Segment: **BAL** **Balance Detail**
Position: 110
Loop: BAL
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the specific monetary balances associated with a particular account
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BAL01	951	**Balance Type Code** Code indicating the type of balance M Current Month	M ID 1/2
Must Use	BAL02	522	**Amount Qualifier Code** Code to qualify amount Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 1/2
Must Use	BAL03	782	**Monetary Amount** Monetary amount	M R 1/15

Segment: **AMT** **Monetary Amount**
Position: 120
Loop: BAL
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**AMT01**	**522**	**Amount Qualifier Code** Code to qualify amount Refer to 003040 Data Element Dictionary for acceptable code values.	**M ID 1/2**
Must Use	**AMT02**	**782**	**Monetary Amount** Monetary amount	**M R 1/15**

Segment: **SER** **Service Charges**
Position: 140
Loop: SER
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the details of the service charges levied
Syntax Notes:
1 At least one of SER03 or SER04 is required.
Semantic Notes:
1 SER03 is collected balance required (Account balance needed to compensate for service charge).
2 SER04 is the service charge.
3 SER08 is the pricing structure.
4 SER09 is the method of compensation.
5 SER10 is the subservice identifier.
6 SER11 is the subservice number.
Comments:
Notes: *Pricing for volume tiers shall be accurately portrayed in SER05 and SER06. No special ID Qualifiers are necessary for tiered pricing volume or service charge.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**SER01**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	**M ID 2/2**
Must Use	**SER02**	**234**	**Product/Service ID** Identifying number for a product or service	**M AN 1/30**
	SER04	**782**	**Monetary Amount** Monetary amount *Total monthly charge for service in $$.cc format.*	**X R 1/15**
	SER05	**212**	**Unit Price** Price per unit of product, service, commodity, etc. *Lockbox service price in $$.cc format.*	**O R 1/14**
	SER06	**380**	**Quantity** Numeric value of quantity *Quantity = correct monthly volume for per item services.*	**O R 1/15**
	SER07	**352**	**Description** A free-form description to clarify the related data elements and their content	**O AN 1/80**
	SER08	**236**	**Price Identifier Code** Code identifying pricing specification STA Standard Price	**O ID 3/3**
	SER09	**107**	**Payment Method Code** Code identifying type of payment procedures I Invoiced Separately	**O ID 1/1**
	SER10	**128**	**Reference Number Qualifier** Code qualifying the Reference Number. LB Lockbox	**O ID 2/2**
	SER11	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. *Federal Agency Lockbox number corresponding to the DDA number identified in ACT01.*	**O AN 1/30**

Segment: **CTT** **Transaction Totals**
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If CTT03 is present, then CTT04 is required.
2 If CTT05 is present, then CTT06 is required.
Semantic Notes:
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set *Total # of accounts in 01.*	**M N0 1/6**

Segment: **SE** **Transaction Set Trailer**
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
Must Use	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set *Transaction Set Control Number identifies individual transactions.* *The Control Number is maintained by the Originator. It must be the same as ST02.*	**M AN 4/9**

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